

Title (en)  
HIGH-EFFICIENCY (HE) STATION AND METHOD FOR CONFIGURATING HE PACKETS WITH LONG AND SHORT PREAMBLE FORMATS

Title (de)  
HOCHEFFIZIENTE (HE) STATION UND VERFAHREN ZUR KONFIGURATION VON HE-PAKETEN MIT KURZEN UND LANGEN PRÄAMBELFORMATEN

Title (fr)  
STATION À HAUT RENDEMENT ET PROCÉDÉ DE CONFIGURATION DE PAQUETS HAUT RENDEMENT À FORMATS DE PRÉAMBULE LONG ET COURT

Publication  
**EP 3216185 B1 20200527 (EN)**

Application  
**EP 15857986 A 20151006**

Priority  
• US 201462075381 P 20141105  
• US 201414579700 A 20141222  
• US 2015054191 W 20151006

Abstract (en)  
[origin: US2016127948A1] Apparatuses, methods, and computer readable media are disclosed. A HE station may include circuitry. The circuitry may be configured to: generate a HE packet with a short preamble format or a long preamble format, wherein the HE packet comprises one or more legacy signal (L-SIG) fields followed by one or more HE signal fields (HE-SIG) and an HE long-training field (HE-LTF); and configure the HE packet to indicate whether the HE packet is configured with the short preamble format or the long preamble format. The HE packet may be configured with the short preamble format or the long preamble format based on one from the following group: a symbol after the L-SIG fields, a L-SIG polarity of a repeated L-SIG, a number of times the L-SIG fields is repeated, or a length field of one of the one or more L-SIG fields.

IPC 8 full level  
**H04L 27/26** (2006.01); **H04W 28/18** (2009.01); **H04W 84/12** (2009.01)

CPC (source: CN EP KR US)  
**H04L 27/2602** (2013.01 - CN EP KR US); **H04L 27/2603** (2021.01 - CN EP KR US); **H04L 27/2613** (2013.01 - CN EP KR US);  
**H04W 28/065** (2013.01 - KR); **H04W 28/18** (2013.01 - CN EP KR US); **H04W 84/12** (2013.01 - KR); **H04L 27/26132** (2021.01 - CN EP KR US);  
**H04W 84/12** (2013.01 - CN EP US)

Cited by  
EP3178207A4

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 10165470 B2 20181225**; **US 2016127948 A1 20160505**; CN 106233777 A 20161214; CN 106233777 B 20200221;  
CN 111431830 A 20200717; CN 111431830 B 20230516; EP 3216185 A1 20170913; EP 3216185 A4 20180620; EP 3216185 B1 20200527;  
JP 2017539117 A 20171228; JP 6495442 B2 20190403; KR 101969660 B1 20190416; KR 20170066578 A 20170614;  
TW 201618501 A 20160516; TW I611677 B 20180111; WO 2016073115 A1 20160512

DOCDB simple family (application)  
**US 201414579700 A 20141222**; CN 201580023315 A 20151006; CN 202010067114 A 20151006; EP 15857986 A 20151006;  
JP 2017521557 A 20151006; KR 20177012320 A 20151006; TW 104132535 A 20151002; US 2015054191 W 20151006